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Richard F. Lemuth

Date June 9, 2005

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of	)
	)
JOHN ROBERT LOCKEMEYER	)
Serial No. 09/992,784	) Group Art Unit: 1725
Filed November 6, 2001	) Examiner Johnson, Christina A
CATALYST COMPOSITION	) June 9, 2005

COMMISSIONER FOR PATENTS P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56 AND 1.97

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents, other than U.S. patent documents, are enclosed. For a foreign language document, an English language abstract is provided.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

This Information Disclosure Statement is being filed concurrently with a Request for Continued Examination.

Respectfully submitted,

JOHN ROBERT LOCKEMEYER

Ву

Attorney, Richard F. Lemuth Registration No. 30,081

(713) 241-3716

P. O. Box 2463 Houston, Texas 77252-2463

Enclosure

FORM PT	ГО-1449 (м	lodified)	OIPE	TH1396 N (US)	09/992,7	TION NUMBER	
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REFERENC	E DESIGNA	TION	TRADEMAN	November 6, 2001			Amount of the second
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	4,797,270	1/89	Alvarado Cendan et al	423	625	
	AB	4,361,504	11/82	Solomon et al	252	463	
	AC	4,366,092	12/82	Winterton	252	476	
	AD	4,810,689	3/89	Hayden	502	347	
	AE	4,186,106	1/80	Rebsdat et al.	252	414	
	AF	4,125,480	11/78	Maxwell	252	414	
	AG	5,545,603	8/96	Kemp	502	347	
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	AL	56164013	12/81	Japan (Abstract)	C01F7/02		
	AM	211,521	2/87	EP	B01J	23/66	
	AN	563,414 A1	10/93	EP	B01J	23/52	
	AO	568,978	1/46	GB			
	AP	2,005,978	10/69	France (Abstract)	B01J	11/00	
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The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention. This is not a representation that a search has been made. 1. 2.

## LIST OF INFORMATION PROVIDED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. TH1396 N (US) APPLICATION NUMBER

09/992,784

APPLICANT

John R. Lockemeyer

FILING DATE

**GROUP ART UNIT** 

November 6, 2001 1725 U.S. PATENT DOCUMENTS REFERENCE DESIGNATION **Filing Date** Examiner Subclass if Appropriate Class Date Patentee Initial Document No. 252 476 4,212,772 7/80 Mross et al AA 534 8/00 Takada et al 549 AB 6,103,916 864 12/86 568 AC 4,628,129 Bartley 4/83 Weber et al 423 626 AD 4,379,134 463 11/82 Solomon et al 252 ΑE 4,361,504 534 10/82 549 Nielsen et al AF 4,356,312 502 332 8/01 Basset et al AG 6,281,160 FOREIGN PATENT DOCUMENTS **Translation Subclass** Document No. Date Country Class Yes No 8/81 B01J 23/66 Japan (Abstract) AL 56105750 23/66 8/99 EΡ B01J 0937498 A1 AM 23/66 AN 716,884 6/96 EP B01J 95/11953 5/95 WO C10G 45/54 ÃO C07C 45/33 10/86 WO AP 86/06063 AQ AR OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) AS AT FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES FOREIGN PATENT OFFICE AU DATE CONSIDERED **EXAMINER** 

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	AA	5,935,894	8/99	Kanazirev	502	341		_
	AB	4,665,048	5/87	Van Leeuwen et al	502	221		
	AC	4,797,279	1/89	Karamata et al	424	93		
	AD	5,374,748	12/94	Rizkalla	549	534		
	AE	4,361,500	11/82	Mathe et al	252	430		
	AF	3,972,829	8/76	Michalko	252	430		
	AG	4,005,049	1/77	Fields	252	467		
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FILING DATE **GROUP ART UNIT** (Use several sheets if necessary) 1725 November 6, 2001 REFERENCE DESIGNATION U.S. PATENT DOCUMENTS Filing Date Class Initial Document No. Date **Patentee Subclass** if Appropriate 4,908,343 3/90 502 218 AΑ Bhasin AB 4,797,270 1/89 Cendan et al 423 625 AC 4,366,092 12/82 Winterton 252 476 AD 4,367,167 1/83 Lee et al 252 472 502 ΑE 4,810,689 3/89 Hayden 347 1/80 252 AF 4,186,106 Rebsdat et al 414 Maxwell AG 4,125,480 11/78 252 414 FOREIGN PATENT DOCUMENTS Translation Document No. Date Country Class **Subclass** No AL AM AN AO AP AQ AR OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) AS AT FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES FOREIGN PATENT OFFICE AU **EXAMINER** DATE CONSIDERED

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	AA	4,886,917	12/89	Knopf et al	568	623	1		
	AB	5,057,481	10/91	Bhasin	502	208			
	AC	2,901,441	8/59	Waterman	252	463	<u> </u>		
	AD	5,734,068	3/98	Klopries et al	549	536			
	AE	5,668,077	9/97	Klopries et al	502	347			
	AF	4,874,739	10/89	Boxhoorn	502	218			
	AG	4,916,243	4/90	Bhasin et al	549	534			
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John R. Lockemeyer

**GROUP ART UNIT** 

FILING DATE 1725 November 6, 2001 U.S. PATENT DOCUMENTS REFERENCE DESIGNATION Filing Date Examiner if Appropriate Subclass Class Date **Patentee** Initial Document No. 2/95 Hayden et al 549 534 5,387,751 ÂΑ 502 315 11/94 AB 5,364,826 Kemp 536 AC 5,380,885 1/95 Kemp 549 348 AD 5,418,202 5/95 Evans et al 502 502 303 ΑE 5,447,897 9/95 Kemp 549 536 .1/96 AF 5,486,628 Kemp 348 5,597,773 1/97 Evans et al 502 AG FOREIGN PATENT DOCUMENTS Translation Date Country Class **Subclass** Yes Document No. No AL AM AN AO AP AQ AR OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) **1710** AS AT FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES. FOREIGN PATENT OFFICE ΑU **EXAMINER** DATE CONSIDERED

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AA	5,663,385	9/97	Kemp	549	536		
AB	5,100,859	3/92	Gerdes et al	502	439		
AC	5,055,442	10/91	Osaka et al	502	439		
AD	5,037,794	8/91	Magistro	502	355		
AE	4,994,588	2/91	Kapicak et al	549	534		
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November 6, 2001 1725 U.S. PATENT DOCUMENTS REFERENCE DESIGNATION V 100 Filing Date Examiner Date Subclass Document No. **Patentee** Class if Appropriate Initial 1/95 AA 5.380.697 Matusz et al 502 348 7/85 AB 4,532,231 Johnson 502 347 5/83 473 AC 4,382,149 568 Krueger AD 5,179,057 1/93 Bartley 502 170 Bartley AE 5,189,004 2/93 502 170 West et al. 585 313 AF 5,157,180 10/92 AG 4,420,420 12/83 Mita et al 502 261 FOREIGN PATENT DOCUMENTS Translation Yes Document No. Date Class **Subclass** Country No AL AM AN AO AP AQ AR OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) AS AT FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES FOREIGN PATENT OFFICE ΑU **EXAMINER** DATE CONSIDERED

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